

L5 ANSWER 103 OF 962 CA COPYRIGHT 2004 ACS on STN
 AN 139:118273 CA
 ED Entered STN: 14 Aug 2003
 TI Surfactant composition for cleaning of plastics and separation of aluminum
 in recycling operations
 IN Herrmann, Amanda Beatriz; Lenz, Cesar Antonio; dos Santos, Eder Jose
 PA Instituto de Tecnologia do Parana - Tecpar, Brazil
 SO Braz. Pedido PI, 4 pp.
 CODEN: BPXXDX
 DT Patent
 LA Portuguese
 IC ICM C08J011-04
 CC 38-2 (Plastics Fabrication and Uses)
 Section cross-reference(s): 46, 56

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	BR 2000006641	A	20020730	BR 2000-6641	20001215
PRAI	BR 2000-6641		20001215		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	-----	-----	-----
BR	2000006641	ICM	C08J011-04
AB	The compn. comprises dodecylbenzenesulfonic acid surfactant neutralized with NaOH to pH 6-7, 1-2% triethanolamine , and formic acid to adjust the pH to 0.0-3.0. The compn. aids in sepn. of plastic pieces adhered onto each other and in removal of labels and as a flotation agent for sepn. of Al. The plastic wastes are subjected to comminution, then immersed in the surfactant compn. preheated to 85-100.degree. under continuous stirring. The Al pieces in the flotation layer are removed manually, as are other materials, e.g., paper. After treatment, the plastic particles are immersed in a water bath at ambient temp. for rinsing prior to subsequent processing.		
ST	dodecylbenzenesulfonic acid triethanolamine formic acid compn waste plastic cleaning; recycling plastic comminution flotation aluminum sepn washing surfactant compn		
IT	Detergents Flotation		